

VISVESWARAIAH TECHNOLOGICAL UNIVERSITY, BELGAUM

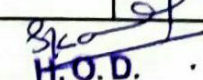
SCHEME OF TEACHING AND EXAMINATION

III SEMESTER B.E. MECHANICAL

S.No.	Sub-Code	Title	Teaching Dept.	Teaching Hours / week		Examination			
				Theory	Pract. / Drg.	Duration	Max. I.A. Marks	Max. Theory /Pr.	Total marks
1	10MAT31	Engg. Maths – III	Mathematics	04	--	03	25	100	125
2	10ME32A/10ME32B	Material Sc. & Metallurgy / Mechanical Measurements & Metrology	Mechanical	04	--	03	25	100	125
3	10ME33	Basic Thermodynamics	Mechanical	04	--	03	25	100	125
4	10ME34	Mechanics of Materials	Mechanical	04	--	03	25	100	125
5	10ME35	Manufacturing Process I	Mechanical	04	--	03	25	100	125
6	10ME36A/10ME36B	Computer Aided Machine Drawing / Fluid Mechanics	Mechanical	01 04	03 --	03	25	100	125
7	10MEL37A/10MEL37B	Metallography & Material Testing Lab / Mech. Measurements & Metrology Lab	Mechanical	--	03	03	25	50	75
8	10MEL38A/10MEL38B	Foundry & Forging lab / Machine Shop	Mechanical	--	03	03	25	50	75
III SEMESTER B.E. MECHANICAL				21/24	9	24	200	700	900


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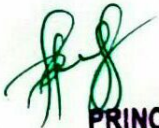

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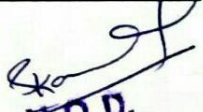
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SCHEME OF TEACHING AND EXAMINATION

IV SEMESTER B.E. MECHANICAL

S.No.	Sub-Code	Title	Teaching Dept.	Teaching Hours / week		Examination			
				Theory	Pract. / Drg.	Duration	Max. I.A. Marks	Max. Theory /Pr.	Total marks
1	10MAT41	Engg. Maths – IV	Mathematics	04	--	03	25	100	125
2	10ME42A/10ME42B	Material Sc. & Metallurgy / Mechanical Measurements & Metrology	Mechanical	04	--	03	25	100	125
3	10ME43	Applied Thermodynamics	Mechanical	04	--	03	25	100	125
4	10ME44	Kinematics of Machines	Mechanical	04	--	03	25	100	125
5	10ME45	Manufacturing Process II	Mechanical	04	--	03	25	100	125
6	10ME46A/10ME46B	Computer Aided Machine Drawing / Fluid Mechanics	Mechanical	01 04	03 --	03	25	100	125
7	10MEL47A/10MEL47B	Metallography & Material Testing Lab / Mech. Measurements & Metrology Lab	Mechanical	--	03	03	25	50	75
8	10MEL48A/10MEL48B	Foundry & Forging lab / Machine Shop	Mechanical	--	03	03	25	50	75
				21	09	24	200	700	900


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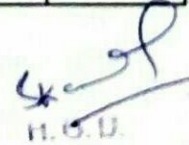
V SEMESTER B.E. MECHANICAL

S.No.	Sub-Code	Title	Teaching Hours/week		Examination			Total Marks
			Theory	Pract. / Drg.	Duration	Max. I.A. Marks	Max. Theory /Pr.	
1	10ME51	Management and Entrepreneurship	04	--	03	25	100	125
2	10ME52	Design of Machine Elements I	04	--	03	25	100	125
3	10ME53	Energy Engineering	04	--	03	25	100	125
4	10ME54	Dynamics of Machines	04	--	03	25	100	125
5	10ME55	Manufacturing Process III	04	--	03	25	100	125
6	10ME56	Turbo Machines	04	--	03	25	100	125
7	10MEL57	Fluid Mechanics & Machines Lab	--	03	03	25	50	75
8	10MEL58	Energy Conversion Engg. Lab	--	03	03	25	50	75
			24	06	24	200	700	900



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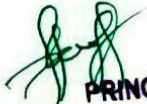
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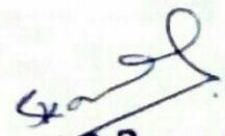
VI SEMESTER B.E. MECHANICAL

S.No.	Sub-Code	Title	Teaching Hours/week		Examination			Total Marks
			Theory	Pract. / Drg.	Duration	Max. I.A. Marks	Max. Theory /Pr.	
1	10ME61	Computer Integrated Manufacturing	04	--	03	25	100	125
2	10ME62	Design of Machine Elements II	04	--	03	25	100	125
3	10ME63	Heat & Mass Transfer	04	--	03	25	100	125
4	10ME64	Finite Element Methods	04	--	03	25	100	125
5	10ME65	Mechatronics & □ P	04	--	03	25	100	125
6	10ME66X	Elective 'A'	04	--	03	25	100	125
7	10MEL67	Heat & Mass Transfer Lab	--	03	03	25	50	75
8	10MEL68	CAMA Lab	--	03	03	25	50	75
			24	06	24	200	700	900


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Elective 'A'	
10ME661 Theory of Elasticity	10ME662 Mechanics of Composite Materials
10ME663 Refrigeration & Air Conditioning	10ME664 Design of Heat Exchangers
10ME665 Non Traditional Machining	10ME666 Knowledge Management
10ME667 Project Management	10ME668 Statistic Quality Control

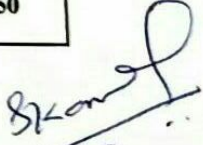

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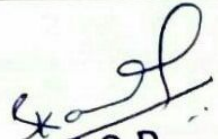
VISVESWARAIAH TECHNOLOGICAL UNIVERSITY, BELGAUM
SCHEME OF TEACHING AND EXAMINATION VII SEMESTER B.E. MECHANICAL

S.No.	Sub-Code	Title	Teaching Hours/week		Examination			Total Marks
			Theory	Pract. / Drg.	Duration	Max. I.A. Marks	Max. Theory /Pr.	
1	10ME71	Engineering Economics	04	--	03	25	100	125
2	10ME72	Mechanical Vibrations	04	--	03	25	100	125
3	10ME73	Hydraulics and Pneumatics	04	--	03	25	100	125
4	10ME74	Operations Research	04	--	03	25	100	125
5	10ME75X	Elective B	04	--	03	25	100	125
6	10ME76X	Elective C	04	--	03	25	100	125
7	10MEL77	Design Lab	--	03	03	25	50	75
8	10MEL78	CIM and Automation Lab	--	03	03	25	50	75
9	10MEL79	Project Phase I	--	--	--	50	--	50
			24	06	24	250	700	950


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Elective 'B'		Elective 'C'	
10ME751 Mechanism Design	10ME752 Theory of Plasticity	10ME761 Experimental Stress Analysis	10ME762 Tool Design
10ME753 Engineering Design	10ME754 Non Conventional Energy Sources	10ME763 Cryogenics	10ME764 Smart Materials
10ME755 Gas Dynamics	10ME756 Management Information System	10ME765 Agile Manufacturing	10ME766 Robotics
10ME757 Automation in Manufacturing	10ME758 Total Quality Management	10ME767 Finance management	10ME768 Micro & Smart System Technology


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VISVESWARAIAH TECHNOLOGICAL UNIVERSITY, BELGAUM

SCHEME OF TEACHING AND EXAMINATION

VIII SEMESTER B.E. MECHANICAL

S.No.	Sub-Code	Title	Teaching Hours/week		Examination			Total Marks
			Theory	Pract. ./ Drg.	Duration	Max. I.A. Marks	Max. Theory /Pr.	
1	10ME81	Operations Management	04	--	03	25	100	125
2	10ME82	Control Engineering	04	--	03	25	100	125
3	10ME83X	Elective D	04	--	03	25	100	125
4	10ME84X	Elective E	04	--	03	25	100	125
5	10ME85L	Project Work	--	06	03	100	100	200
6	10ME86L	Seminar	--	03	--	50	--	50
				09	15	250	500	750


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Elective 'D'		Elective 'E'	
10ME831 Tribology	10ME832 Fracture Mechanics	10ME841 Machine Tool Design	10ME842 Industrial Engineering & Ergonomics
10ME833 Power Plant Engineering	10ME834 Nano Technology	10ME843 Bio Mass Energy Systems	10ME844 Automotive Engineering
10ME835 Organisational Behaviour and Professional Communication	10ME836 Computer Graphics	10ME845 Database Management System	10ME846 Artificial Intelligence
10ME837 Rapid Prototyping	10ME838 Foundry Technology	10ME847 Design of Experiments	10ME848 Design for Manufacture & Assembly


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